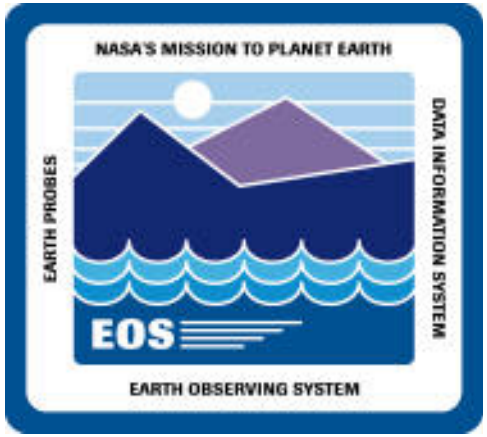

MSS Enterprise Framework

Jim Dennison

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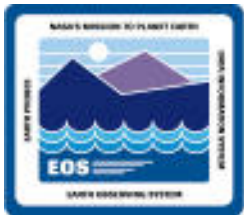
16 April 1996

Enterprise Framework Overview



Enterprise Framework is provided by the COTS Product "TIVOLI"

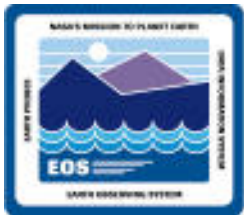
Consists of Tivoli Management Platform

- **Admin**
- **Sentry**
- **Courier**
- **Enterprise Console**
- **Tool Kits**
  - **Build Tivoli/Plus Modules**
  - **Build Tivoli Event Adapters**

Management for distributed Client/Server environment

GUI and Command line interface

Enterprise Management Driving Requirements



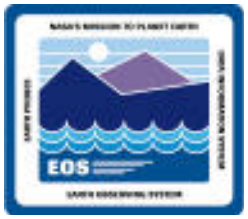
Enterprise Wide Management of System Administration Functions, Software Distribution, Performance Monitoring and Fault Correlation.

- **Scaleable**
- **Multi-vendor**
- **Integrated between management regions (DAACs & SMC)**
- **Real-time monitoring and control at DAACs and SMC**

New Release B Features Provided by Framework

- **Fault Correlation**
- **Additional System Administration Functions: Sybase DB Admin, Interface for DCE Administration and System Backup and Restore**
- **Enhancement to Performance Monitoring**
- **Software Distribution**

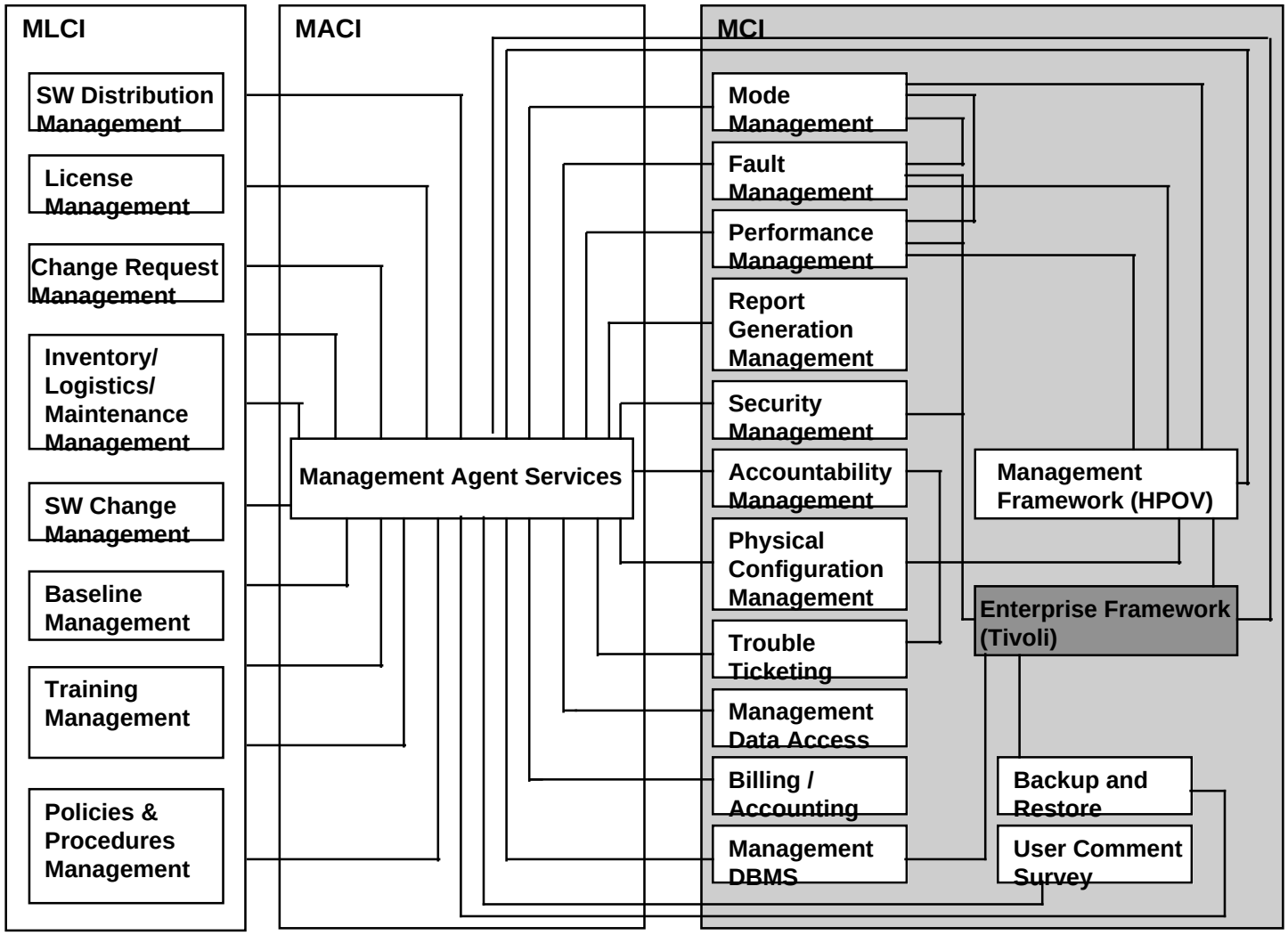
Enterprise Management Driving Requirements (cont.)



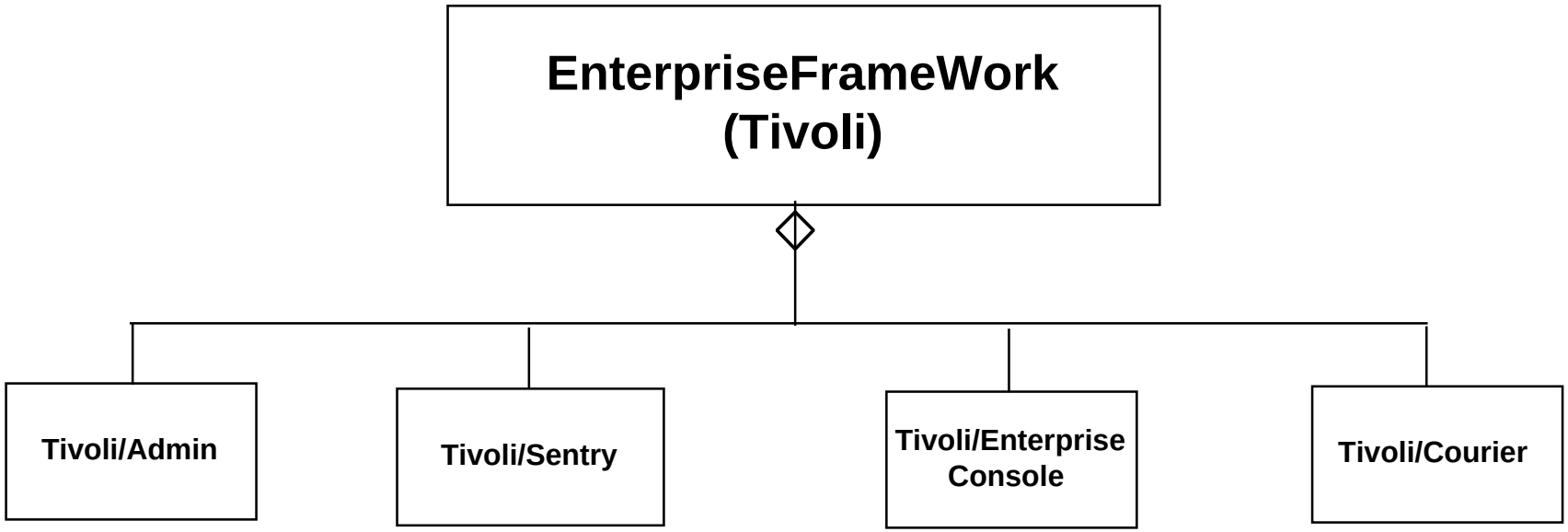
Evolutionary Features

- **Tool kit for custom integration of applications with the Tivoli Management Environment**
  - **Event Adapters to sent events to Tivoli**
    - **Custom**
    - **COTS: HP Openview Adapter, Log Event Adapter**
- **Tivoli/Plus modules to integrate COTS products with Tivoli**
  - **Modules supplied by vendors or Tivoli to integrate products with Tivoli GUI and provide monitoring and control**
  - **Sybase**
  - **Remedy**
  - **Networker**
  - **AutoSys**

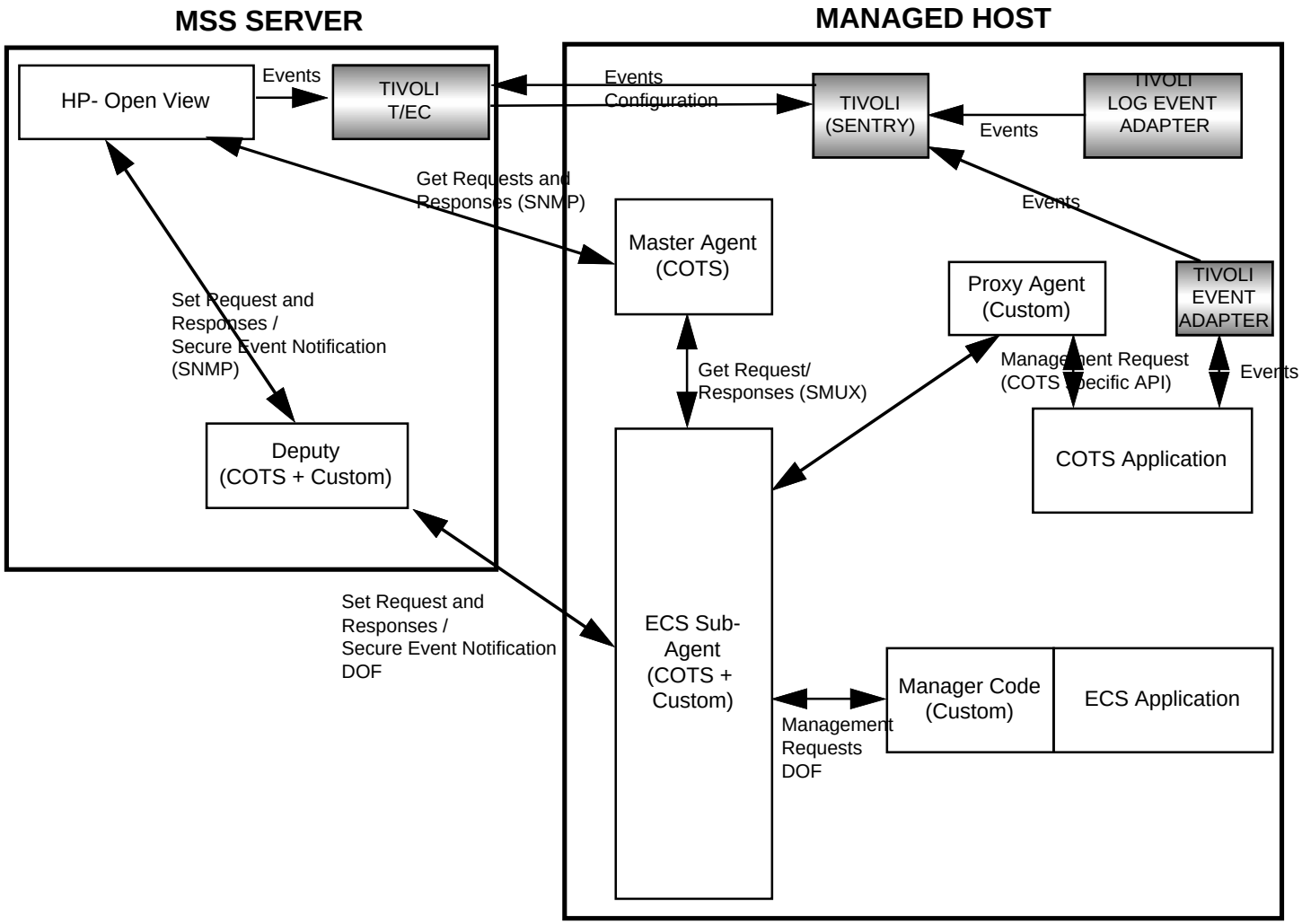
MSS Software Architecture Overview



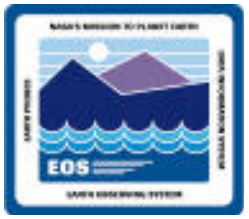
EnterpriseFramework Functional Overview



Enterprise Framework Event Monitoring Functional Data Flow



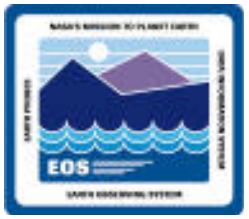
Enterprise Framework System Administration



Unix Administration

- **Performed by TIVOLI ADMIN**
- **GUI**
- **Administration of Distributed heterogeneous Unix Systems**
- **Manages Unix Host**
  - **View Basic host properties and network interface Information**
  - **Distribute or update system configuration files**
  - **Viewing or signaling processes**
- **Manages Network Information System (NIS) Maps: Create, Modify and Delete**
- **Manages Host Namespace - Host to IP address map**
- **Manages Users - Names, UID, passwords, startup files etc..**
- **Manages Groups - Define, Modify and Delete**

Enterprise Framework System Administration (cont.)



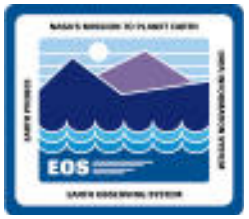
DCE Cell Administration

- Hewlett Packard's DCE Cell Management tool
- On Tivoli desktop and launched from Tivoli
- DCE Cell Directory Service browser
- Account Manager
- DCE Cell Configuration
- DCE cell monitor

System Backup and Restore

- Legato Systems, Inc.'s NetWorker
- On Tivoli desktop and launched from Tivoli
- Provides backup and restore capabilities for multi vendor networks
- Interactive and scheduled backups
- File or File system recoveries

Enterprise Framework System Administration (cont.)



Sybase Database Administration

- **COTS product that provides Interface with TIVOLI GUI for the monitoring and administration of SYBASE.**